

Friction Loss Basics



What are the basic friction loss standards that are used to calculate loss in a hose line?

Line Size	Loss Per 100'	Max. Flows & Max. Loss
1 1/2"		
1 3/4"		
2 1/2"		
3"		
5" or other LDH		

You Do The Math

Calculate the total friction loss for the following lead-outs.
(On the fireground, you also would include the nozzle loss, any devices or elevations)

- 200' Preconnect line from your engine (1 1/2, 1 3/4, and 2 1/2)
 - 500' of LDH
 - 350' of 3" lead-out
 - 100' of 1 1/2"